

L Number	Hits	Search Text	DB	Time stamp
1	568	lysine same polyamide	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 15:34
2	484	((lysine same polyamide) and polymer	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 15:35
3	1	((lysine same polyamide) and polymer) and geminal	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 15:38
4	176	((lysine same polyamide) and polymer) and dimer	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 15:39
5	0	PCT/JP03/05453	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 15:39
6	0	"PCT/JP03/05453"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 15:39
7	2196	hanabusa.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 15:39
8	252333	suzuki.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 15:39
9	41	hanabusa.in. and suzuki.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 15:42
10	6261	514/2.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 15:44
11	3308	530/300.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 15:48
12	675	530/323,332.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 15:49
13	2283	554/112,106,69,66,57,56,47.ccls. 564/153,152.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 15:49
14	6182	530/300.ccls. 530/323,332.ccls. (554/112,106,69,66,57,56,47.ccls. 564/153,152.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 15:50
15	273	(530/300.ccls. 530/323,332.ccls. (554/112,106,69,66,57,56,47.ccls. 564/153,152.ccls.)) and chelator	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 15:50

16	140	((530/300.ccls. 530/323,332.ccls. (554/112,106,69,66,57,56,47.ccls. 564/153,152.ccls.)) and chelator) and polymer	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 15:50
17	127	((((530/300.ccls. 530/323,332.ccls. (554/112,106,69,66,57,56,47.ccls. 564/153,152.ccls.)) and chelator) and polymer) and gel	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 15:50
18	57	(((((530/300.ccls. 530/323,332.ccls. (554/112,106,69,66,57,56,47.ccls. 564/153,152.ccls.)) and chelator) and polymer) and gel) and dimer	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 15:50

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NEWS 3 Jul 12 BEILSTEIN enhanced with new display and select

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NEWS 4 AUG 02 resulting in a closer connection to BABS  
IFIPAT/IFIUDB/IFICDB reloaded with new search and  
display

NEWS 5 AUG 02 fields  
and Japan CAPUS and CA patent records enhanced with European

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wizard within

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NEWS EXPRESS JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT

MACINTOSH VERSION IS V6.0c(ENG) AND V6.0jc(JP)

AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004

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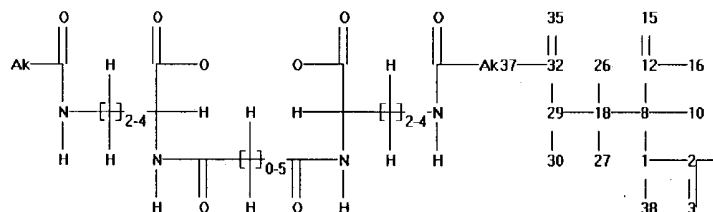
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Enter NEWS followed by the item number or name to see news on that



chain nodes :  
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20  
23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

chain bonds :  
1-2 1-8 1-38 2-3 2-4 4-5 4-19 4-20 5-6 5-7 7-9 7-39 8-10

8-12 8-18 9-11 9-13 9-17 12-15 12-16 13-14 13-23 17-24 17-

25 17-28 18-26 18-27 18-29 28-31 28-33 29-30 29-32 32-35

32-37 33-34 33-36

exact/norm bonds :  
1-2 1-8 2-3 5-6 5-7 7-9 12-15 12-16 13-14 13-23 17-28 18-

29 28-33 29-32 32-35 32-37 33-34 33-36

exact bonds :  
1-38 2-4 4-5 4-19 4-20 7-39 8-10 8-12 8-18 9-11 9-13 9-17

17-24 17-25 18-26 18-27 28-31 29-30

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS

8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS

15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS 23:CLASS

24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS

31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS 37:CLASS

38:CLASS 39:CLASS

L1 STRUCTURE UPLOADED

=> s l1 sam

SAMPLE SEARCH INITIATED 15:17:49 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 16171 TO ITERATE

6.2% PROCESSED 1000 ITERATIONS

ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 315807 TO 331033

PROJECTED ANSWERS: 0 TO 0

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FILE 'HOME' ENTERED AT 15:17:16 ON 20 OCT 2004

=> fil reg

COST IN U.S. DOLLARS

TOTAL

SINCE FILE

ENTRY

SESSION

FULL ESTIMATED COST

0.21

FILE 'REGISTRY' ENTERED AT 15:17:27 ON 20 OCT 2004

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STRUCTURE FILE UPDATES: 19 OCT 2004 HIGHEST RN 765878-56-6

DICTIONARY FILE UPDATES: 19 OCT 2004 HIGHEST RN 765878-56-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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Experimental and calculated property data are now available. For more

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=>

Uploading H:\STN queries\10777179.str

L2 0 SEA SSS SAM L1

=> s l1 ful

FULL SEARCH INITIATED 15:17:53 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 321251 TO ITERATE

87.4% PROCESSED 280616 ITERATIONS

ANSWERS

21

100.0% PROCESSED 321251 ITERATIONS

ANSWERS

21

SEARCH TIME: 00.00.26

L3

21 SEA SSS FUL L1

=> file hcaplus

COST IN U.S. DOLLARS

TOTAL

SINCE FILE

ENTRY

SESSION

FULL ESTIMATED COST

156.05

155.84

FILE 'HCAPLUS' ENTERED AT 15:18:34 ON 20 OCT 2004

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FILE COVERS 1907 - 20 Oct 2004 VOL 141 ISS 17

FILE LAST UPDATED: 19 Oct 2004 (20041019/ED)

This file contains CAS Registry Numbers for easy and accurate

substance identification.

=> s l3

L4 4 L3

=> d l4 1-4 ibib abs

L4 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:878000 HCAPLUS Full-text

DOCUMENT NUMBER: 140:181736

TITLE: L-Lysine based gemini organogelators: their organogelation properties and thermally stable

AUTHOR(S): organogels  
Suzuki, Masahiro; Nigawara, Tomomi; Yumoto, Mariko;  
Kenji  
CORPORATE SOURCE: Graduate School of Science and Technology, Shinshu  
SOURCE: University, Ueda, Nagano, 386-8567, Japan  
1(22), Organic & Biomolecular Chemistry (2003), 4124-4131  
CODEN: OBCRAK; ISSN: 1477-0520  
PUBLISHER: Royal Society of Chemistry  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB Novel gemini organogelators based on L-lysine, in which two L-lysine derivs. are linked by different alkylene chain lengths through the amide bond, have been simply and effectively synthesized, and their organogelation abilities and thermal stabilities have been investigated. In a series of L-lysine Et ester derivs., the organogelation abilities decreased with increasing alkylene spacer length. In particular, bis(Nε-tauroyl-L-lysine Et ester)oxalyl amide, H23C11CONH(CH2)4CH(CO2Et)NH-CO-CO-NHCH(CO2Et)(CH2)4NHCO11H23, is a good organogelator that gels most organic solvents such as alcs., cyclic ethers, aromatic solvents and acetonitrile. Various oxalyl amide derivs. with different alkyl ester groups such as hexyl, decyl, dodecyl, 2-ethyl-1-hexyl and 3,5,5-trimethylhexyl also showed good organogelation abilities. Furthermore, it was found that the cyclohexane gels formed by some oxalyl amide derivs. have a high thermal stability.

REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES  
AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2004 ACS ON STN  
ACCESSION NUMBER: 2003:627026 HCAPLUS Full-text  
DOCUMENT NUMBER: 139:337687  
TITLE: New gemini organogelators linked by oxalyl amide:  
organogel formation and their thermal  
stabilities  
AUTHOR(S): Suzuki, Masahiro; Nigawara, Tomomi; Yumoto, Mariko;  
Kenji  
CORPORATE SOURCE: Graduate School of Science and Technology, Shinshu  
SOURCE: University, Ueda, Nagano, 386-8567, Japan  
6843 Tetrahedron Letters (2003), 44(36), 6841-6843  
CODEN: TELEAY; ISSN: 0040-4039

AB Optically active polyamides with regular structural sequences were prepd. from L-lysine and adipic acid. An optically active sym. diamine, N,N'-bis(L-5-amino-5-carboxyamyl) adipamide, m. 305° (decomposition), was obtained by treating L-lysine with adipoyl chloride (I) in the presence of Cu2+. The interfacial polycondensation of this diamine with I gave a regular polymer, while the polycondensation of L-lysine with I gave an irregular polymer of the same anal. composition. The m.ps., optical rotations, and the O.R.D. curves of these polymers were investigated.

=> FIL STNGUIDE  
COST IN U.S. DOLLARS  
TOTAL

SINCE FILE  
ENTRY

SESSION  
FULL ESTIMATED COST  
168.61

12.56

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  
TOTAL

SINCE FILE  
ENTRY

SESSION  
CA SUBSCRIBER PRICE  
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-2.80

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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.  
LAST RELOADED: Oct 15, 2004 (20041015/UP).

=> FIL REGISTRY  
COST IN U.S. DOLLARS  
TOTAL

SINCE FILE  
ENTRY

SESSION  
FULL ESTIMATED COST  
168.85

0.24

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  
TOTAL

SINCE FILE  
ENTRY

SESSION  
CA SUBSCRIBER PRICE  
2.80

0.00

FILE 'REGISTRY' ENTERED AT 15:21:19 ON 20 OCT 2004  
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PUBLISHER: Elsevier Science B.V.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 139:337687

AB New gemini organogelators linked by an oxalyl amide that can be easily, effectively, and cheaply synthesized have good organogelation abilities and their cyclohexane gels have superior thermal stabilities; especially 7 possessing the branched alkyl ester can gel at 0.7 wt% cyclohexane even at 70°C.

REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES  
AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2004 ACS ON STN  
ACCESSION NUMBER: 1997:334995 HCAPLUS Full-text  
DOCUMENT NUMBER: 127:51064  
TITLE: Synthesis and characterization of random and regular  
L-lysine-based polyamides  
AUTHOR(S): Gachard, Isabelle; Coutin, Bernard;  
CORPORATE SOURCE: Laboratoire Chimie Macromoléculaire, Université  
Pierre et Marie Curie, Paris, F-75252, Fr.  
SOURCE: Macromolecular Chemistry and Physics (1997), 198(5), 1375-1389  
CODEN: MCHPES; ISSN: 1022-1352  
PUBLISHER: Huethig & Wepf  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB The synthesis of polyamides based on the natural diamine L-lysine and diacids, adipic or glutaric acid, is described. They were obtained by polycondensation of active diesters, pentachlorophenyl, and pentafluorophenyl esters. L-Lysine being non-sym., aregular (random), and syndioregular (head-to-head, tail-to-tail) poly(adipoyl-L-lysine)s and poly(glutaryl-L-lysine)s were obtained with mol. wts. > 15,000 while isoregular (head-to-tail) poly(adipoyl-L-lysine)s and poly(glutaryl-L-lysine)s were prepared with lower mol. wts.

L4 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2004 ACS ON STN  
ACCESSION NUMBER: 1968:13536 HCAPLUS Full-text  
DOCUMENT NUMBER: 68:13536  
TITLE: Optically active polyamides with regular structural  
sequences prepared from α-amino acids  
AUTHOR(S): Saitome, Kazuo; Schulz, Rolf Christian  
CORPORATE SOURCE: Univ., Mainz, Mainz, Fed. Rep. Ger.  
SOURCE: Makromolekulare Chemie (1967), 109, 239-48  
CODEN: MACEAK; ISSN: 0025-116X  
DOCUMENT TYPE: Journal  
LANGUAGE: English

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 19 OCT 2004 HIGHEST RN 765878-56-6  
DICTIONARY FILE UPDATES: 19 OCT 2004 HIGHEST RN 765878-56-6

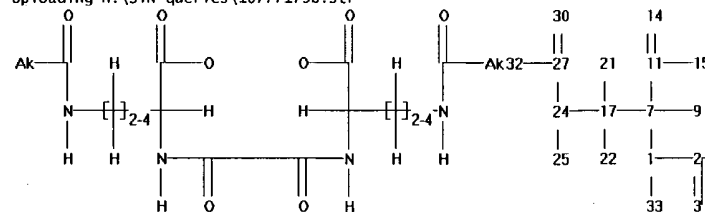
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Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

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chain nodes :  
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20  
21 22 23 24 25 26 27 28 29 30 31 32 33 34  
chain bonds :  
1-2 1-7 1-33 2-3 2-4 4-6 4-5 6-8 6-34 7-9 7-11 7-17 8-10  
8-12 8-16 11-14 11-15 12-13 12-18 16-19 16-20 16-23 17-21  
17-22 17-24 23-26 23-28 24-25 24-27 27-30 27-32 28-29 28-31  
exact/norm bonds :  
1-2 1-7 2-3 4-6 4-5 6-8 11-14 11-15 12-13 12-18 16-23 17-24  
23-28 24-27 27-30 27-32 28-29 28-31  
exact bonds :  
1-33 2-4 6-34 7-9 7-11 7-17 8-10 8-12 8-16 16-19 16-20 17-21  
17-22 23-26 24-25

Match level :  
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS  
8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS  
15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS 21:CLASS  
22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS  
29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS

L5 STRUCTURE UPLOADED

=> s 15 ful  
FULL SEARCH INITIATED 15:22:16 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 7829 TO ITERATE

100.0% PROCESSED 7829 ITERATIONS  
ANSWERS  
SEARCH TIME: 00.00.01

L6 7 SEA SSS FUL L5

=> file hcaplus  
COST IN U.S. DOLLARS SINCE FILE  
TOTAL ENTRY  
SESSION  
FULL ESTIMATED COST 155.84  
324.69  
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE  
TOTAL ENTRY  
SESSION  
CA SUBSCRIBER PRICE 0.00  
2.80

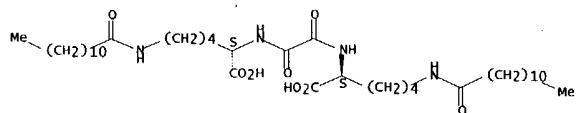
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FILE LAST UPDATED: 19 Oct 2004 (20041019/ED)

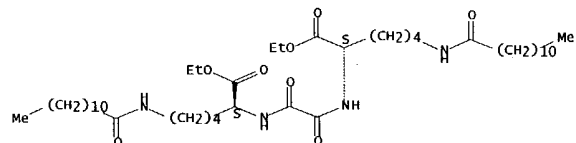
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 16



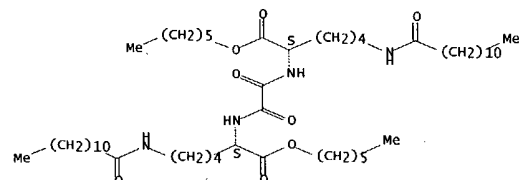
RN 615584-81-1 HCAPLUS  
CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyl)bis[N6-(1-oxododecyl)-, diethyl ester (9CI) (CA INDEX NAME)]

Absolute stereochemistry.



RN 615584-82-2 HCAPLUS  
CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyl)bis[N6-(1-oxododecyl)-, diethyl ester (9CI) (CA INDEX NAME)]

Absolute stereochemistry.



RN 615584-83-3 HCAPLUS  
CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyl)bis[N6-(1-oxododecyl)-, didecyl ester (9CI) (CA INDEX NAME)]

L7 2 L6

=> d 17 1-2 ibib abs hitstr

L7 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2003:878000 HCAPLUS Full-text  
DOCUMENT NUMBER: 140:181736  
TITLE: L-Lysine based gemini organogelators: their organogelation properties and thermally

stable organogels  
AUTHOR(S): Suzuki, Masahiro; Nigawara, Tomomi; Yumoto, Mariko;  
Kimura, Mutsumi; Shirai, Hirofusa; Hanabusa,

Kenji  
CORPORATE SOURCE: Graduate School of Science and Technology,  
Shinshu University, Ueda, Nagano, 386-8567, Japan

SOURCE: Organic & Biomolecular Chemistry (2003),  
1(22),

4124-4131  
CODEN: OBCRAK; ISSN: 1477-0520  
PUBLISHER: Royal Society of Chemistry  
DOCUMENT TYPE: Journal  
LANGUAGE: English

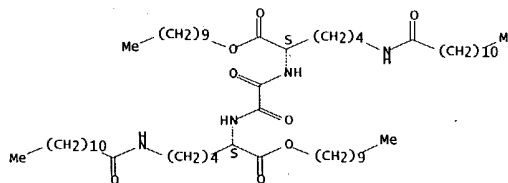
AB Novel gemini organogelators based on L-lysine, in which two L-lysine derivs. are linked by different alkylene chain lengths through the amide bond, have been simply and effectively synthesized, and their organogelation abilities and thermal stabilities have been investigated. In a series of L-lysine Et ester derivs., the organogelation abilities decreased with increasing alkylene spacer length. In particular, bis(Ne-lauroyl-L-lysine Et ester)oxalyl amide, H23C11CONH(CH2)4CH(CO2Et)NH-CO-CO-NHCH(CO2Et)(CH2)4NHCOCl1H23, is a good organogelator that gels most organic solvents such as alcs., cyclic ethers, aromatic solvents and acetonitrile. Various oxalyl amide derivs. with different alkyl ester groups such as hexyl, decyl, dodecyl, 2-ethyl-1-hexyl and 3,5,5-trimethylhexyl also showed good organogelation abilities. Furthermore, it was found that the cyclohexane gels formed by some oxalyl amide derivs. have a high thermal stability.

IT 615584-80-0P 615584-81-1P 615584-82-2P  
615584-83-3P 615584-84-4P 615584-85-5P  
615584-86-6P  
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(preparation, organogelation property and thermal stability of bis-lysine amides linked by alkylene chains)

RN 615584-80-0 HCAPLUS  
CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyl)bis[N6-(1-oxododecyl)- (9CI) (CA INDEX NAME)]

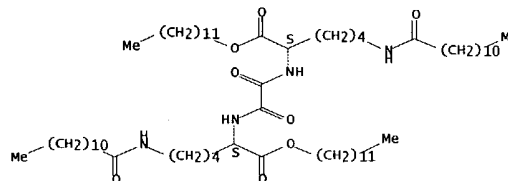
Absolute stereochemistry.

Absolute stereochemistry.



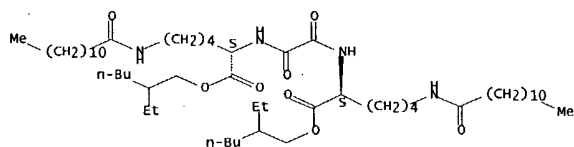
RN 615584-84-4 HCAPLUS  
CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyl)bis[N6-(1-oxododecyl)-, didodecyl ester (9CI) (CA INDEX NAME)]

Absolute stereochemistry.



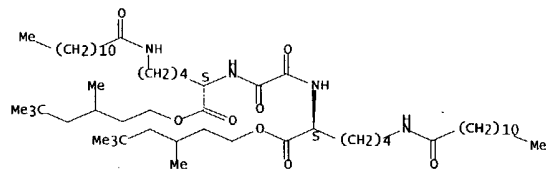
RN 615584-85-5 HCAPLUS  
CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyl)bis[N6-(1-oxododecyl)-, bis(2-ethylhexyl) ester (9CI) (CA INDEX NAME)]

Absolute stereochemistry.



RN 615584-86-6 HCAPLUS  
CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyloxy)bis[6-(1-oxododecyl)-, bis(3,5,5-trimethylhexyl) ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

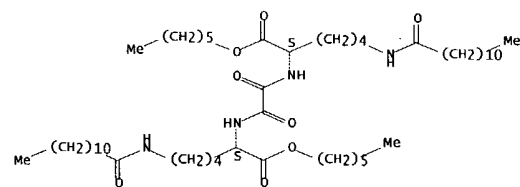


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AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
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L7 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2003:627026 HCAPLUS Full-text  
DOCUMENT NUMBER: 139:337687  
TITLE: New gemini organogelators linked by oxalyl  
amide: organogel formation and their thermal  
stabilities Suzuki, Masahiro; Nigawara, Tomomi; Yumoto,  
AUTHOR(S): Mariko; Kimura, Mutsumi; Shirai, Hirofusa; Hanabusa,  
Kenji  
CORPORATE SOURCE: Graduate School of Science and Technology,  
Shinshu University, Ueda, Nagano, 386-8567, Japan  
SOURCE: Tetrahedron Letters (2003), 44(36), 6841-  
6843 CODEN: TELEAY; ISSN: 0040-4039  
PUBLISHER: Elsevier Science B.V.

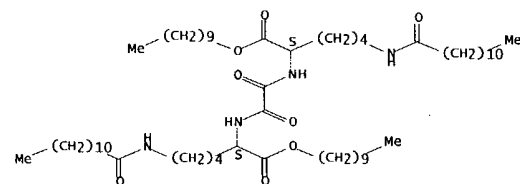
oxododecyl)-, dihexyl  
ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 615584-83-3 HCAPLUS  
CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyloxy)bis[6-(1-oxododecyl)-, didodecyl  
ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 615584-84-4 HCAPLUS  
CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyloxy)bis[6-(1-oxododecyl)-, didodecyl  
ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

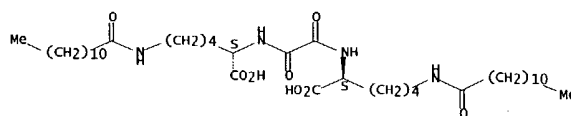
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LANGUAGE: English  
OTHER SOURCE(S): CASREACT 139:337687  
AB New gemini organogelators linked by an oxalyl amide that can be  
easily, effectively, and cheaply synthesized have good  
organogelation abilities and their cyclohexane gels have  
superior thermal stabilities; especially 7 possessing the  
branched alkyl ester can gel at 0.7 wt% cyclohexane even at  
70°C.

IT 615584-80-0P 615584-81-1P 615584-82-2P  
615584-83-3P 615584-84-4P 615584-85-5P  
615584-86-6P

RL: PRP (Properties); SPN (Synthetic preparation); PREP  
(Preparation)  
(NMR and FT-IR on gelation of prepared gemini oxalyl-amide  
linked organogelators)

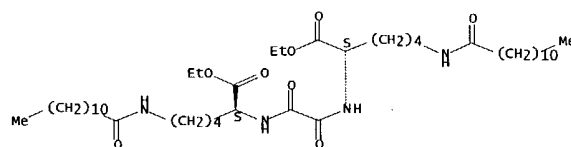
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CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyloxy)bis[6-(1-oxododecyl)-, diethyl  
ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

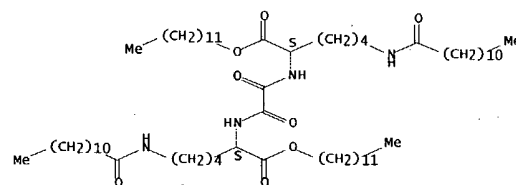


RN 615584-81-1 HCAPLUS  
CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyloxy)bis[6-(1-oxododecyl)-, diethyl  
ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

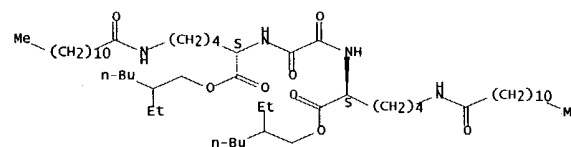


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ester (9CI) (CA INDEX NAME)



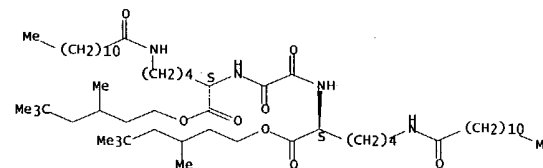
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CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyloxy)bis[6-(1-oxododecyl)-, bis(2-ethylhexyl)  
ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 615584-86-6 HCAPLUS  
CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyloxy)bis[6-(1-oxododecyl)-, bis(3,5,5-trimethylhexyl)  
ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES

AVAILABLE FOR THIS  
RE FORMAT

RECORD. ALL CITATIONS AVAILABLE IN THE

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COST IN U.S. DOLLARS  
TOTAL

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ENTRY

14.24

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  
TOTAL

SINCE FILE

SESSION  
CA SUBSCRIBER PRICE  
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ENTRY

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LAST RELOADED: Oct 15, 2004 (20041015/UP).

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COST IN U.S. DOLLARS  
TOTAL

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STRUCTURE FILE UPDATES: 19 OCT 2004 HIGHEST RN 765878-56-6  
DICTIONARY FILE UPDATES: 19 OCT 2004 HIGHEST RN 765878-56-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when

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Crossover limits have been increased. See HELP CROSSOVER for  
details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> FIL STNGUIDE  
COST IN U.S. DOLLARS  
TOTAL

SINCE FILE

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FULL ESTIMATED COST  
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ENTRY

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  
TOTAL

SINCE FILE

SESSION  
CA SUBSCRIBER PRICE  
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ENTRY

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FILE CONTAINS CURRENT INFORMATION.  
LAST RELOADED: Oct 15, 2004 (20041015/UP).

=> FIL REGISTRY  
COST IN U.S. DOLLARS  
TOTAL

SINCE FILE

SESSION  
FULL ESTIMATED COST  
342.35

ENTRY

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  
TOTAL

SINCE FILE

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CA SUBSCRIBER PRICE  
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STRUCTURE FILE UPDATES: 19 OCT 2004 HIGHEST RN 765878-56-6

DICTIONARY FILE UPDATES: 19 OCT 2004 HIGHEST RN 765878-56-6

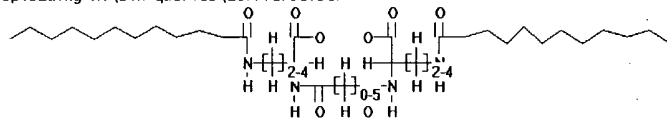
TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for  
details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> Uploading H:\STN queries\10777179c.str



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23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39  
44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60  
61 62 63

chain bonds :  
1-2 1-8 1-38 2-3 2-4 4-5 4-19 4-20 5-6 5-7 7-9 7-39 8-10  
8-12 8-18 9-11 9-13 9-17 12-15 12-16 13-14 13-23 17-24 17-25  
17-28 18-26 18-27 18-29 28-31 28-33 29-30 29-32 32-35  
32-37 33-34 33-36 36-44 37-54 44-45 45-46 46-47 47-48 48-49  
49-50 50-51 51-52 52-53 54-55 55-56 56-57 57-58 58-59 59-60  
60-61 61-62 62-63

exact/norm bonds :  
1-2 1-8 2-3 5-6 5-7 7-9 12-15 12-16 13-14 13-23 17-28 18-29  
28-33 29-32 32-35 33-34

exact bonds :  
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Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS  
8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS  
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63:CLASS

L8 STRUCTURE UPLOADED

=> s 18 ful  
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100.0% PROCESSED 342183 ITERATIONS  
ANSWERS  
SEARCH TIME: 00.00.08

17

L9 17 SEA SSS FUL L8

=> fil hcaplus  
COST IN U.S. DOLLARS  
TOTAL

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FULL ESTIMATED COST  
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TOTAL

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SESSION  
CA SUBSCRIBER PRICE  
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0.00

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FILE COVERS 1907 - 20 Oct 2004 VOL 141 ISS 17  
FILE LAST UPDATED: 19 Oct 2004 (20041019/ED)

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

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L10 2 L9  
=> d 110 1-2 ibib abs hitstr

L10 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2003:878000 HCAPLUS Full-text  
DOCUMENT NUMBER: 140:181736  
TITLE: L-Lysine based gemini organogelators: their  
organogelation properties and thermally  
stable  
organogels  
AUTHOR(S): Suzuki, Masahiro; Nigawara, Tomomi; Yumoto,  
Mariko;  
Kimura, Mutsumi; Shirai, Hirofusa; Hanabusa,  
Kenji  
CORPORATE SOURCE: Graduate School of Science and Technology,  
Shinshu  
University, Ueda, Nagano, 386-8567, Japan  
SOURCE: Organic & Biomolecular Chemistry (2003),  
1(22),  
4124-4131  
CODEN: ORCRAC; ISSN: 1477-0520  
PUBLISHER: Royal Society of Chemistry  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB Novel gemini organogelators based on L-lysine, in which two L-lysine derivs. are linked by different alkylene chain lengths through the amide bond, have been simply and effectively synthesized, and their organogelation abilities and thermal stabilities have been investigated. In a series of L-lysine Et ester derivs., the organogelation abilities decreased with increasing alkylene spacer length. In particular, bis(Nε-lauroyl-L-lysine Et ester)oxalyl amide, H23C11CONH(CH2)4CH(CO2Et)NH-CO-CO-NHCH(CO2Et)(CH2)4NHCOC11H23, is a good organogelator that gels most organic solvents such as alcs., cyclic ethers, aromatic solvents and acetonitrile. Various oxalyl amide derivs. with different alkyl ester groups such as hexyl, decyl, dodecyl, 2-ethyl-1-hexyl and 3,5,5-trimethylhexyl also showed good organogelation abilities. Furthermore, it was found that the cyclohexane gels formed by some oxalyl amide derivs. have a high thermal stability.

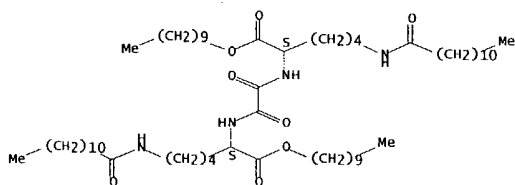
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615584-86-6P 658051-84-4P 658051-85-5P  
658051-86-6P 658051-87-7P 658051-88-8P  
658051-93-5P 658051-94-6P 658051-95-7P  
658051-96-8P 658051-97-9P  
RL: PRP (Properties); SPN (Synthetic preparation); PREP  
(Preparation)

(preparation, organogelation property and thermal stability of bis-lysine amides linked by alkylene chains)

RN 615584-80-0 HCAPLUS  
CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyl)bis[N6-(1-oxododecyl)]- (9CI) (CA INDEX NAME)

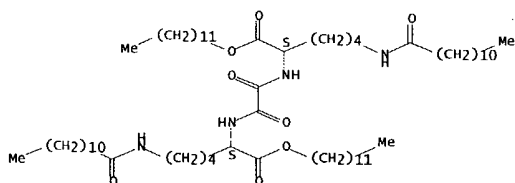
RN 615584-83-3 HCAPLUS  
CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyl)bis[N6-(1-oxododecyl)]-, didecyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 615584-84-4 HCAPLUS  
CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyl)bis[N6-(1-oxododecyl)]-, didodecyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

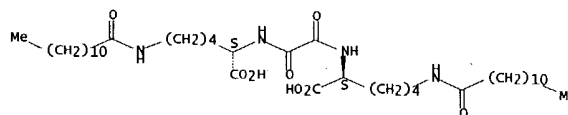


RN 615584-85-5 HCAPLUS  
CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyl)bis[N6-(1-oxododecyl)]-, bis(2-ethylhexyl) ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

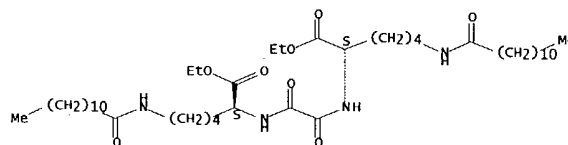
(CA INDEX NAME)

Absolute stereochemistry.



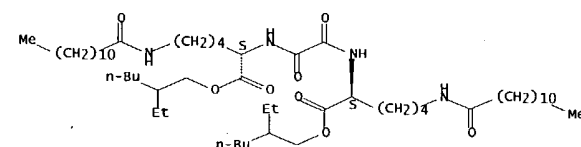
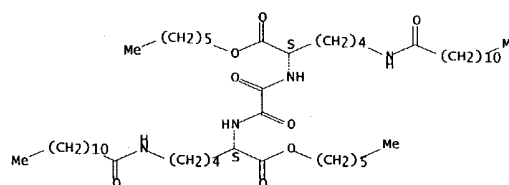
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CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyl)bis[N6-(1-oxododecyl)]-, diethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



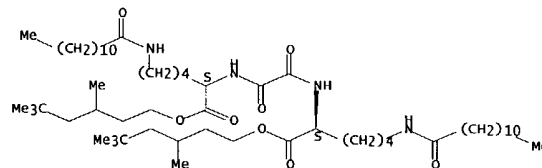
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CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyl)bis[N6-(1-oxododecyl)]-, dihexyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



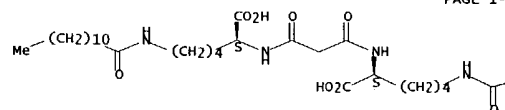
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CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyl)bis[N6-(1-oxododecyl)]-, bis(3,5,5-trimethylhexyl) ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

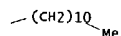


RN 658051-84-4 HCAPLUS  
CN L-Lysine, N2,N2'-(1,3-dioxo-1,3-propanediyl)bis[N6-(1-oxododecyl)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

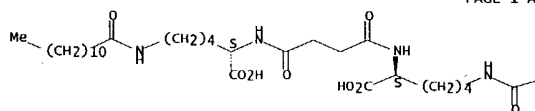






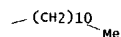
RN 658051-85-5 HCAPLUS  
CN L-Lysine, N2,N2'-(1,4-dioxo-1,4-butanediyl)bis[N6-(1-oxododecyl)]- (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.



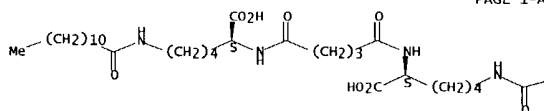
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PAGE 1-B



RN 658051-86-6 HCAPLUS  
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(CA INDEX NAME)

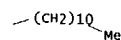
Absolute stereochemistry.



PAGE 1-A

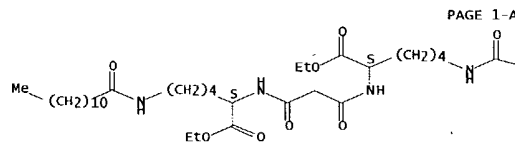
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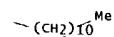
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CN L-Lysine, N2,N2'-(1,3-dioxo-1,3-propanediyl)bis[N6-(1-oxododecyl)]-, diethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



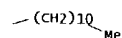
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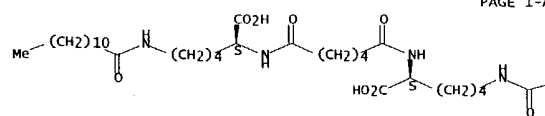
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CN L-Lysine, N2,N2'-(1,4-dioxo-1,4-butanediyl)bis[N6-(1-oxododecyl)]-, diethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



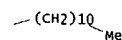
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(CA INDEX NAME)

Absolute stereochemistry.



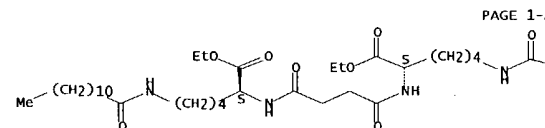
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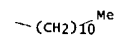
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(CA INDEX NAME)

Absolute stereochemistry.



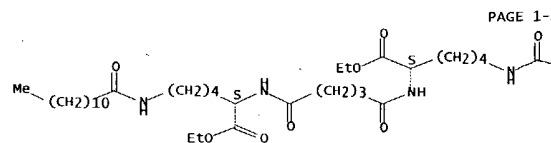
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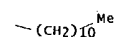
RN 658051-95-7 HCAPLUS  
CN L-Lysine, N2,N2'-(1,5-dioxo-1,5-pentanediy)bis[N6-(1-oxododecyl)]-, diethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



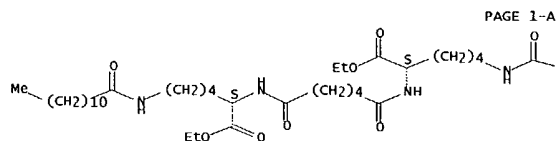
PAGE 1-A

PAGE 1-B



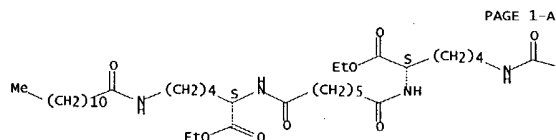
RN 658051-96-8 HCAPLUS  
CN L-Lysine, N2,N2'-(1,6-dioxo-1,6-hexanediyl)bis[N6-(1-oxododecyl)]-, diethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

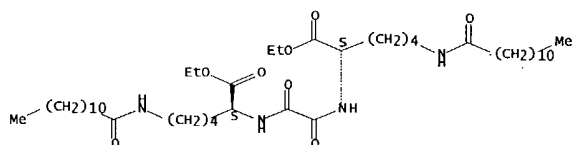


RN 658051-97-9 HCAPLUS  
CN L-Lysine, N2,N2'-(1,7-dioxo-1,7-heptanediyl)bis[N6-(1-oxododecyl)-, diethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

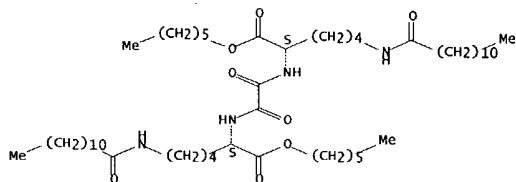


REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES  
AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
RE FORMAT  
L10 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2003:627026 HCAPLUS [Full-text](#)  
DOCUMENT NUMBER: 139:337687



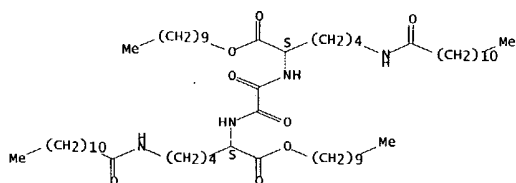
RN 615584-82-2 HCAPLUS  
CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyl)bis[N6-(1-oxododecyl)-, dihexyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 615584-83-3 HCAPLUS  
CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyl)bis[N6-(1-oxododecyl)-, didodecyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



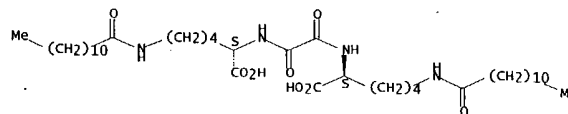
TITLE: New gemini organogelators linked by oxalyl  
amide: organogel formation and their thermal  
stabilities  
AUTHOR(S): Suzuki, Masahiro; Nigawara, Tomomi; Yumoto,  
Mariko; Kimura, Mutsumi; Shirai, Hirofusa; Hanabusa,  
Kenji  
CORPORATE SOURCE: Graduate School of Science and Technology,  
Shinshu University, Ueda, Nagano, 386-8567, Japan  
SOURCE: Tetrahedron Letters (2003), 44(36), 6841-  
6843

CODEN: TELEAY; ISSN: 0040-4039  
PUBLISHER: Elsevier Science B.V.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 139:337687  
AB New gemini organogelators linked by an oxalyl amide that can be  
easily, effectively, and cheaply synthesized have good  
organogelation abilities and their cyclohexane gels have  
superior thermal stabilities; especially 7 possessing the  
branched alkyl ester can gel at 0.7 wt% cyclohexane even at  
70°C.

IT 615584-80-0P 615584-81-1P 615584-82-2P  
615584-83-3P 615584-84-4P 615584-85-5P  
615584-86-6P  
RL: PRP (Properties); SPN (Synthetic preparation); PREP  
(Preparation)  
(NMR and FT-IR on gelation of prepared gemini oxalyl-amide  
linked organogelators)

RN 615584-80-0 HCAPLUS  
CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyl)bis[N6-(1-oxododecyl)-, diethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

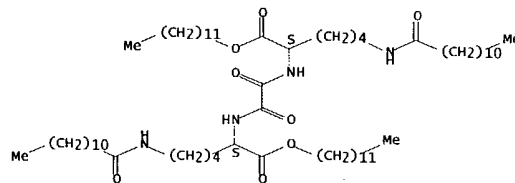


RN 615584-81-1 HCAPLUS  
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Absolute stereochemistry.

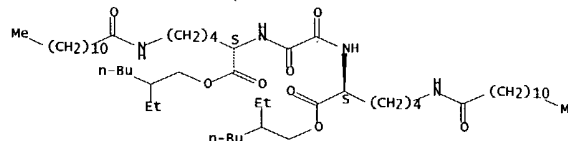
RN 615584-84-4 HCAPLUS  
CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyl)bis[N6-(1-oxododecyl)-, didodecyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



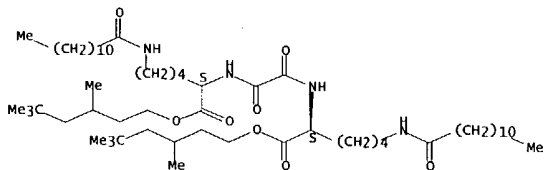
RN 615584-85-5 HCAPLUS  
CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyl)bis[N6-(1-oxododecyl)-, bis(2-ethylhexyl) ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 615584-86-6 HCAPLUS  
CN L-Lysine, N2,N2'-(1,2-dioxo-1,2-ethanediyl)bis[N6-(1-oxododecyl)-, bis(3,5,5-trimethylhexyl) ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES  
 AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
 RE FORMAT

=> DIS HIST

(FILE 'HOME' ENTERED AT 15:17:16 ON 20 OCT 2004)  
 FILE 'REGISTRY' ENTERED AT 15:17:27 ON 20 OCT 2004  
 L1 STRUCTURE UPLOADED  
 L2 0 S L1 SAM  
 L3 21 S L1 FUL  
 FILE 'HCAPLUS' ENTERED AT 15:18:34 ON 20 OCT 2004  
 L4 4 S L3  
 FILE 'STNGUIDE' ENTERED AT 15:19:09 ON 20 OCT 2004  
 FILE 'REGISTRY' ENTERED AT 15:21:19 ON 20 OCT 2004  
 L5 STRUCTURE UPLOADED  
 L6 7 S L5 FUL  
 FILE 'HCAPLUS' ENTERED AT 15:22:22 ON 20 OCT 2004  
 L7 2 S L6  
 FILE 'STNGUIDE' ENTERED AT 15:23:49 ON 20 OCT 2004  
 FILE 'REGISTRY' ENTERED AT 15:27:12 ON 20 OCT 2004  
 FILE 'STNGUIDE' ENTERED AT 15:31:14 ON 20 OCT 2004  
 FILE 'REGISTRY' ENTERED AT 15:32:29 ON 20 OCT 2004  
 L8 STRUCTURE UPLOADED  
 L9 17 S L8 FUL  
 FILE 'HCAPLUS' ENTERED AT 15:33:19 ON 20 OCT 2004  
 L10 2 S L9

=>

---Logging off of STN---

=>  
 Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE
TOTAL	ENTRY
SESSION	
FULL ESTIMATED COST	14.24
512.01	
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE
TOTAL	ENTRY
SESSION	
CA SUBSCRIBER PRICE	-1.40
5.60	
STN INTERNATIONAL LOGOFF AT 15:34:38 ON 20 OCT 2004	